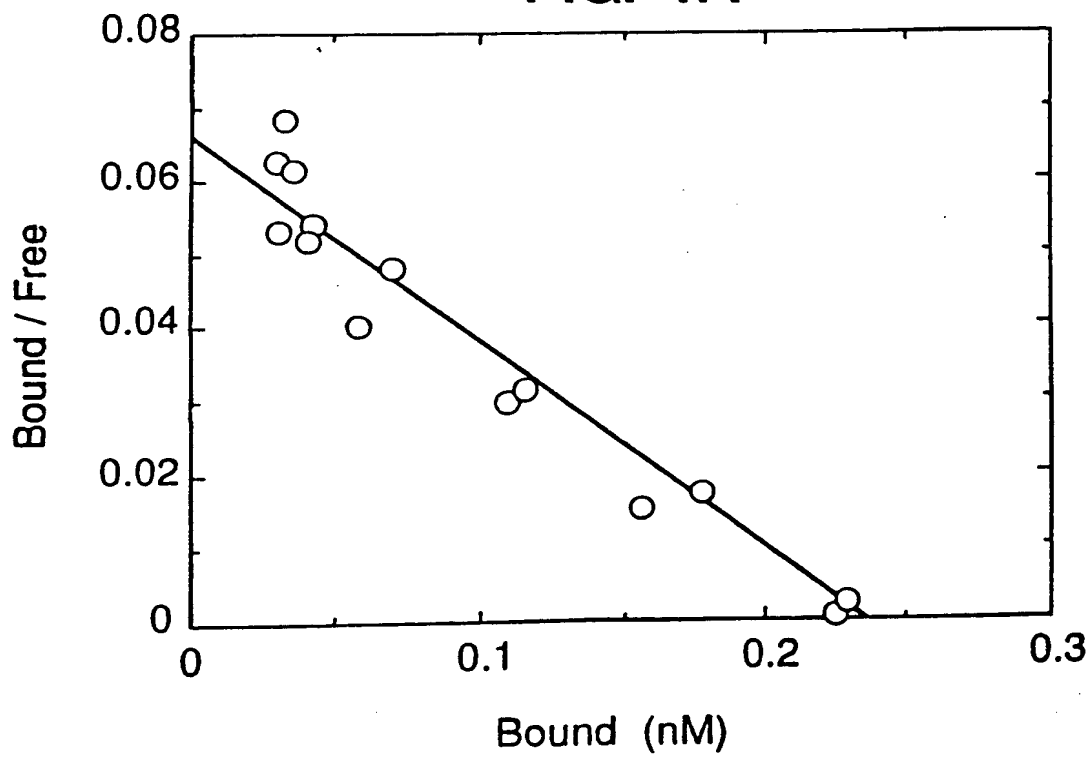


**FIG. 1A**



**FIG. 1B**

ATG	TCA	AAT	ATT	ACA	GAT	CCA	CAG	ATG	TGG	GAT	TTT	86	
M t	Ser	Asn	Ile	Thr	Asp	Pro	Gln	Met	Trp	Asp	Phe		
1				5					10				
GAT	GAT	CTA	AAT	TTC	ACT	GGC	ATG	CCA	CCT	GCA	GAT	GAA	125
Asp	Asp	Leu	Asn	Phe	Thr	Gly	Met	Pro	Pro	Ala	Asp	Glu	
		15					20					25	
GAT	TAC	AGC	CCC	TGT	ATG	CTA	GAA	ACT	GAG	ACA	CTC	AAC	164
Asp	Tyr	Ser	Pro	Cys	Met	Leu	Glu	Thr	Glu	Thr	Leu	Asn	
				30					35				
AAG	TAT	GTT	GTG	ATC	ATC	GCC	TAT	GCC	CTA	GTG	TTC	CTG	203
Lys	Tyr	Val	Val	Ile	Ile	Ala	Tyr	Ala	Leu	Val	Phe	Leu	
	40					45					50		
CTG	AGC	CTG	CTG	GGA	AAC	TCC	CTG	GTG	ATG	CTG	GTC	ATC	242
Leu	Ser	Leu	Leu	Gly	Asn	Ser	Leu	Val	Met	Leu	Val	Ile	
			55					60					
TTA	TAC	AGC	AGG	GTC	GGC	CGC	TCC	GTC	ACT	GAT	GTC	TAC	281
Leu	Tyr	Ser	Arg	Val	Gly	Arg	Ser	Val	Thr	Asp	Val	Tyr	
	65				70					75			
CTG	CTG	AAC	CTG	GCC	TTG	GCC	GAC	CTA	CTC	TTT	GCC	CTG	320
Leu	Leu	Asn	Leu	Ala	Leu	Ala	Asp	Leu	Leu	Phe	Ala	Leu	
		80					85					90	
ACC	TTG	CCC	ATC	TGG	GCC	GCC	TCC	AAG	GTG	AAT	GGC	TGG	359
Thr	Leu	Pro	Ile	Trp	Ala	Ala	Ser	Lys	Val	Asn	Gly	Trp	
				95					100				
ATT	TTT	GGC	ACA	TTC	CTG	TGC	AAG	GTG	GTC	TCA	CTC	CTG	398
Ile	Phe	Gly	Thr	Phe	Leu	Cys	Lys	Val	Val	Ser	Leu	Leu	
	105					110					115		
AAG	GAA	GTC	AAC	TTC	TAC	AGT	GGC	ATC	CTG	CTG	TTG	GCC	437
Lys	Glu	Val	Asn	Phe	Tyr	Ser	Gly	Ile	Leu	Leu	Leu	Ala	
			120					125					
TGC	ATC	AGT	GTG	GAC	CGT	TAC	CTG	GCC	ATT	GTC	CAT	GCC	476
Cys	Ile	Ser	Val	Asp	Arg	Tyr	Leu	Ala	Ile	Val	His	Ala	
	130				135					140			
ACA	CGC	ACA	CTG	ACC	CAG	AAG	CGT	CAC	TTG	GTC	AAG	TTT	515
Thr	Arg	Thr	Leu	Thr	Gln	Lys	Arg	His	Leu	Val	Lys	Phe	
		145					150					155	
GTT	TGT	CTT	GGC	TGC	TGG	GGA	CTG	TCT	ATG	AAT	CTG	TCC	554
Val	Cys	Leu	Gly	Cys	Trp	Gly	Leu	Ser	Met	Asn	Leu	Ser	
				160					165				
CTG	CCC	TTC	TTC	CTT	TTC	CGC	CAG	GCT	TAC	CAT	CCA	AAC	593
Leu	Pro	Phe	Phe	Leu	Phe	Arg	Gln	Ala	Tyr	His	Pro	Asn	
	170					175					180		
AAT	TCC	AGT	CCA	GTT	TGC	TAT	GAG	GTC	CTG	GGA	AAT	GAC	632
Asn	S r	Ser	Pro	Val	Cys	Tyr	Glu	Val	Leu	Gly	Asn	Asp	
			185					190					
ACA	GCA	AAA	TGG	CGG	ATG	GTG	TTG	CGG	ATC	CTG	CCT	CAC	671
Thr	Ala	Lys	Trp	Arg	Met	Val	Leu	Arg	Ile	Leu	Pro	His	
195					200					205			

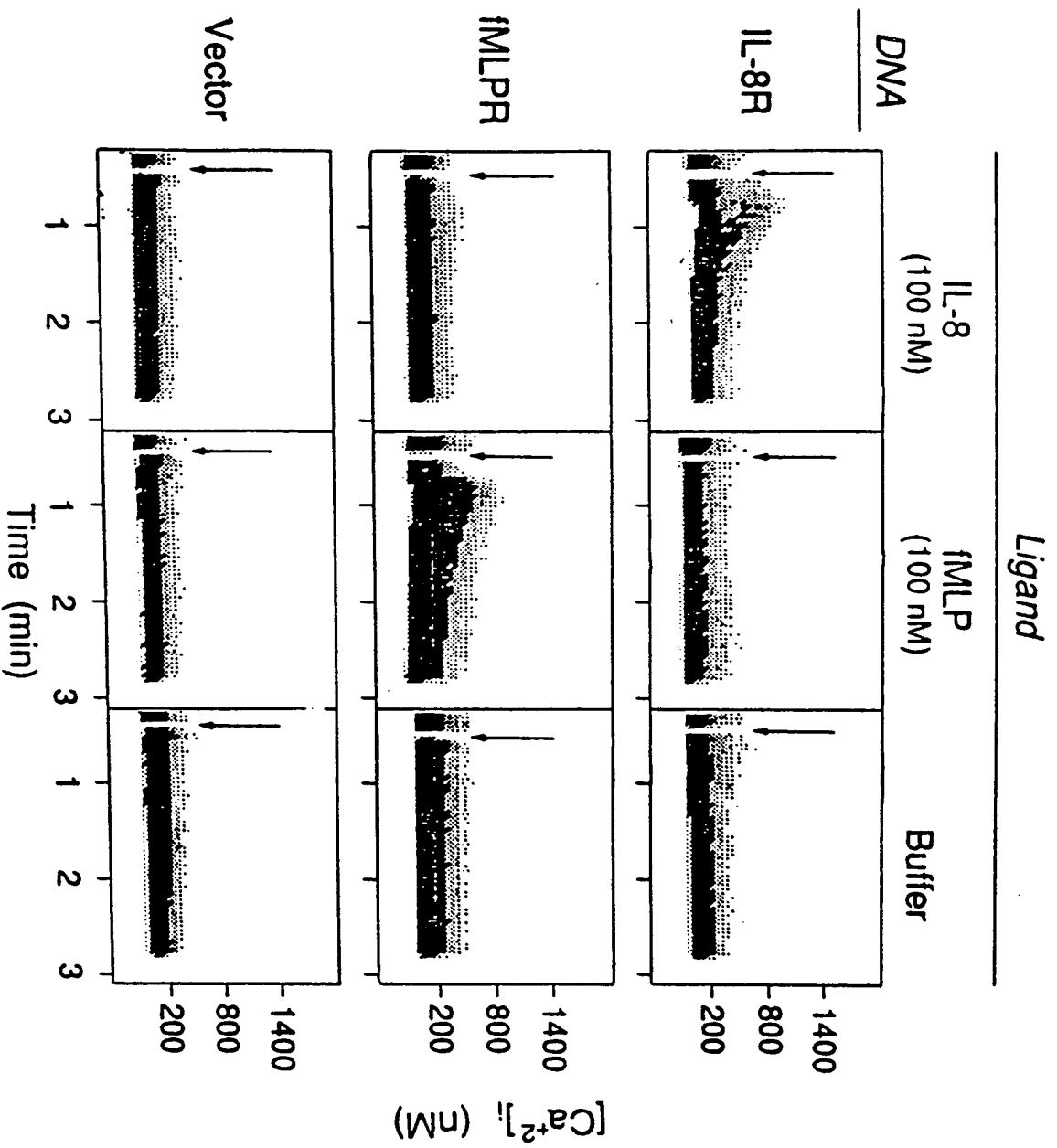
FIG. 2A

ACC	TTT	GGC	TTC	ATC	GTG	CCG	CTG	TTT	GTC	ATG	CTG	TTC	710
Thr	Phe	Gly	Phe	Ile	Val	Pro	Leu	Phe	Val	M t	L u	Phe	
		210					215					220	
TGC	TAT	GGA	TTC	ACC	CTG	CGT	ACA	CTG	TTT	AAG	GCC	CAC	749
Cys	Tyr	Gly	Phe	Thr	Leu	Arg	Thr	Leu	Phe	Lys	Ala	His	
				225					230				
ATG	GGG	CAG	AAG	CAC	CGA	GCC	ATG	AGG	GTC	ATC	TTT	GCT	788
Met	Gly	Gln	Lys	His	Arg	Ala	Met	Arg	Val	Ile	Phe	Ala	
	235					240					245		
GTC	GTC	CTC	ATC	TTC	CTG	CTT	TGC	TGG	CTG	CCC	TAC	AAC	827
Val	Val	Leu	Ile	Phe	Leu	Leu	Cys	Trp	Leu	Pro	Tyr	Asn	
			250					255					
CTG	GTC	CTG	CTG	GCA	GAC	ACC	CTC	ATG	AGG	ACC	CAG	GTG	866
Leu	Val	Leu	Leu	Ala	Asp	Thr	Leu	Met	Arg	Thr	Gln	Val	
					265					270			
ATC	CAG	GAG	ACC	TGT	GAG	CGC	CGC	AAC	AAC	ATC	GGC	CGG	905
Ile	Gln	Glu	Thr	Cys	Glu	Arg	Arg	Asn	Asn	Ile	Gly	Arg	
		275					280					285	
GCC	CTG	GAT	GCC	ACT	GAG	ATT	CTG	GGA	TTT	CTC	CAT	AGC	944
Ala	Leu	Asp	Ala	Thr	Glu	Ile	Leu	Gly	Phe	Leu	His	Ser	
				290					295				
TGC	CTC	AAC	CCC	ATC	ATC	TAC	GCC	TTC	ATC	GGC	CAA	AAT	983
Cys	Leu	Asn	Pro	Ile	Ile	Tyr	Ala	Phe	Ile	Gly	Gln	Asn	
	300					305					310		
TTT	CGC	CAT	GGA	TTC	CTC	AAG	ATC	CTG	GCT	ATG	CAT	GGC	1022
Phe	Arg	His	Gly	Phe	Leu	Lys	Ile	Leu	Ala	Met	His	Gly	
			315					320					
CTG	GTC	AGC	AAG	GAG	TTC	TTG	GCA	CGT	CAT	CGT	GTT	ACC	1061
Leu	Val	Ser	Lys	Glu	Phe	Leu	Ala	Arg	His	Arg	Val	Thr	
	325				330					335			
TCC	TAC	ACT	TCT	TCG	TCT	GTC	AAT	GTC	TCT	TCC	AAC	CTC	1100
Ser	Tyr	Thr	Ser	Ser	Ser	Val	Asn	Val	Ser	Ser	Asn	Leu	
		340					345					350	
TGAAAACCAT CGATGAAGGA ATATCTCTTC TCAGAAGGAA AGAATAACCA 1150													
ACACCCTGAG GTTGTGTGTG GAAGGTGATC TGGCTCTGGA CAGGCACTAT 1200													
CTGGGTTTTG GGGGGACGCT ATAGGATGTG GGGAAAGTTAG GAACTGGTGT 1250													
CTTCAGGGGC CACACCAACC TTCTGAGGAG CTGTTGAGGT ACCTCCAAGG 1300													
ACCGGCCTTT GCACCTCCAT GGAAACGAAG CACCATCATT CCCGTTGAAC 1350													
GTCACATCTT TAACCCACTA ACTGGCTAAT TAGCATGGCC ACATCTGAGC 1400													
CCCGAATCTG ACATTAGATG AGAGAACAGG GCTGAAGCTG TGTCTCATG 1450													

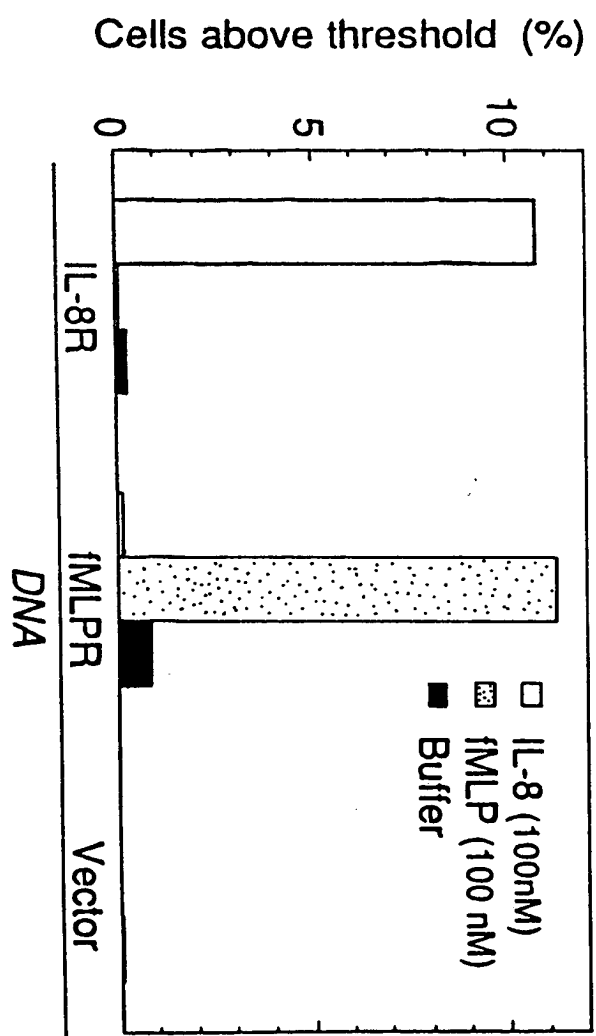
**FIG. 2B**

AGGGCTGGAT GCTCTCGTTG ACCCTCACAG GAGCATCTCC TCAACTCTGA 1500  
GTGTTAAGCG TTGAGCCACC AAGCTGGTGG CTCTGTGTGC TCTGATCCGA 1550  
GCTCAGGGGG GTGGTTTTCC CATCTCAGGT GTGTTGCAGT GTCTGCTGGA 1600  
GACATTGAGG CAGGCACTGC CAAAACATCA ACCTGCCAGC TGGCCTTGTG 1650  
AGGAGCTGGA AACACATGTT CCCCTTGGGG GTGGTGGATG AACAAAGAGA 1700  
AAGAGGGTTT GGAAGCCAGA TCTATGCCAC AAGAACCCCC TTTACCCCCA 1750  
TGACCAACAT CGCAGACACA TGTGCTGGCC ACCTGCTGAG CCCCAGTGG 1800  
AACGAGACAA GCAGCCCTTA GCCCTTCCCC TCTGCAGCTT CCAGGCTGGC 1850  
GTGCAGCATC AGCATCCCTA GAAAGCCATG TGCAGCCACC AGTCCATTGG 1900  
GCAGGCAGAT GTTCCTAATA AAGCTTCTGT TCC 1933

**FIG. 2C**



**FIG. 3A**



**FIG. 3B**

GAATTCCAGT GTGCTGGCGG CGCGGCGCAA AGTGACGCCG AGGGCCTGAG 50

TGCTCCAGTA	GCCACCGCAT	CTGGAGAACC	AGCGGTTACC	ATG	GAG	96
				Met	Glu	
					1	
GGG	ATC	AGT	ATA	TAC	ACT	TCA
Gly	Ile	Ser	Ile	Tyr	Thr	Ser
		5				10
GAT	AAC	TAC	ACC	GAG	GAA	135
Asp	Asn	Tyr	Thr	Glu	Glu	
					15	
ATG	GGC	TCA	GGG	GAC	TAT	GAC
Met	Gly	Ser	Gly	Asp	Tyr	Asp
				20		25
TCC	ATG	AAG	GAA	CCC	TGT	174
Ser	Met	Lys	Glu	Pro	Cys	
TTC	CGT	GAA	GAA	AAT	GCT	AAT
Phe	Arg	Glu	Glu	Asn	Ala	Asn
	30					35
TTC	AAT	AAA	ATC	TTC	CTG	213
Asn	Asn	Lys	Ile	Phe	Leu	
					40	
CCC	ACC	ATC	TAC	TCC	ATC	ATC
Pro	Thr	Ile	Tyr	Ser	Ile	Ile
			45			50
TTC	TTA	ACT	GGC	ATT	GTG	252
Phe	Leu	Thr	Gly	Ile	Val	
GGC	AAT	GGA	TTG	GTC	ATC	CTG
Gly	Asn	Gly	Leu	Val	Ile	Leu
	55				60	
GTC	ATG	GGT	TAC	CAG	AAG	291
Val	Met	Gly	Tyr	Gln	Lys	
AAA	CTG	AGA	AGC	ATG	ACG	GAC
Lys	Leu	Arg	Ser	Met	Thr	Asp
		70				75
AAG	TAC	AGG	CTG	CAC	CTG	330
Lys	Tyr	Arg	Leu	His	Leu	
					80	
TCA	GTG	GCC	GAC	CTC	CTC	TTT
Ser	Val	Ala	Asp	Leu	Leu	Phe
				85		90
GTC	ATC	ACG	CTT	CCC	TTC	369
Val	Ile	Thr	Leu	Pro	Phe	
TGG	GCA	GTT	GAT	GCC	GTG	GCA
Trp	Ala	Val	Asp	Ala	Val	Ala
	95					100
AAC	TGG	TAC	TTT	GGG	AAC	408
Asn	Trp	Tyr	Phe	Gly	Asn	
					105	
TTC	CTA	TGC	AAG	GCA	GTC	CAT
Phe	Leu	Cys	Lys	Ala	Val	His
			110			115
GTC	ATC	TAC	ACA	GTC	AAC	447
Val	Ile	Tyr	Thr	Val	Asn	
CTC	TAC	AGC	AGT	GTC	CTC	ATC
Leu	Tyr	Ser	Ser	Val	Leu	Ile
					120	125
CTG	GCC	TTC	ATC	AGT	CTG	486
Leu	Ala	Phe	Ile	Ser	Leu	
					130	
GAC	CGC	TAC	CTG	GCC	ATC	GTC
Asp	Arg	Tyr	Leu	Ala	Ile	Val
			135			140
GCC	ACC	AAC	AGT	CAG	525	
Ala	Thr	Asn	Ser	Gln		145
AGG	CCA	AGG	AAG	CTG	TTG	GCT
Arg	Pro	Arg	Lys	Leu	Leu	Ala
				150		155
GAA	AAG	GTG	GTC	TAT	GTT	564
Glu	Lys	Val	Val	Tyr	Val	
GGC	GTC	TGG	ATC	CCT	GCC	CTC
Gly	Val	Trp	Ile	Pro	Ala	Leu
						160
						165
CTG	CTG	ACT	ATT	CCC	GAC	603
Leu	Leu	Thr	Ile	Pro	Asp	
					170	
TTC	ATC	TTT	GCC	AAC	GTC	AGT
Phe	Ile	Phe	Ala	Asn	Val	Ser
						175
GAG	GCA	GAT	GAC	AGA	TAT	642
Glu	Ala	Asp	Asp	Arg	Tyr	
						180

FIG. 4A

ATC	TGT	GAC	CGC	TTC	TAC	CCC	AAT	GAC	TTG	TGG	GTG	GTT	681
Ile	Cys	Asp	Arg	Ph	Tyr	Pro	Asn	Asp	Leu	Trp	Val	Val	
185					190					195			
GTG	TTC	CAG	TTT	CAG	CAC	ATC	ATG	GTT	GGC	CTT	ATC	CTG	720
Val	Phe	Gln	Phe	Gln	His	Ile	Met	Val	Gly	Leu	Ile	Leu	
		200					205					210	
CCT	GGT	ATT	GTC	ATC	CTG	TCC	TGC	TAT	TGC	ATT	ATC	ATC	759
Pro	Gly	Ile	Val	Ile	Leu	Ser	Cys	Tyr	Cys	Ile	Ile	Ile	
				215					220				
TCC	AAG	CTG	TCA	CAC	TCC	AAG	GGC	CAC	CAG	AAG	CGC	AAG	798
Ser	Lys	Leu	Ser	His	Ser	Lys	Gly	His	Gln	Lys	Arg	Lys	
	225					230					235		
GCC	CTC	AAG	ACC	ACA	GTC	ATC	CTC	ATC	CTG	GCT	TTC	TTC	837
Ala	Leu	Lys	Thr	Thr	Val	Ile	Leu	Ile	Leu	Ala	Phe	Phe	
			240					245					
GCC	TGT	TGG	CTG	CCT	TAC	TAC	ATT	GGG	ATC	AGC	ATC	GAC	876
Ala	Cys	Trp	Leu	Pro	Tyr	Tyr	Ile	Gly	Ile	Ser	Ile	Asp	
250					255					260			
TCC	TTC	ATC	CTC	CTG	GAA	ATC	ATC	AAG	CAA	GGG	TGT	GAG	915
Ser	Phe	Ile	Leu	Leu	Glu	Ile	Ile	Lys	Gln	Gly	Cys	Glu	
		265					270					275	
TTT	GAG	AAC	ACT	GTG	CAC	AAG	TGG	ATT	TCC	ATC	ACC	GAG	954
Phe	Glu	Asn	Thr	Val	His	Lys	Trp	Ile	Ser	Ile	Thr	Glu	
				280					285				
GCC	CTA	GCT	TTC	TTC	CAC	TGT	TGT	CTG	AAC	CCC	ATC	CTC	993
Ala	Leu	Ala	Phe	Phe	His	Cys	Cys	Leu	Asn	Pro	Ile	Leu	
	290					295					300		
TAT	GCT	TTC	CTT	GGA	GCC	AAA	TTT	AAA	ACC	TCT	GCC	CAG	1032
Tyr	Ala	Phe	Leu	Gly	Ala	Lys	Phe	Lys	Thr	Ser	Ala	Gln	
			305				310						
CAC	GCA	CTC	ACC	TCT	GTG	AGC	AGA	GGG	TCC	AGC	CTC	AAG	1071
His	Ala	Leu	Thr	Ser	Val	Ser	Arg	Gly	Ser	Ser	Leu	Lys	
315					320					325			
ATC	CTC	TCC	AAA	GGA	AAG	CGA	GGT	GGA	CAT	TCA	TCT	GTT	1110
Ile	Leu	Ser	Lys	Gly	Lys	Arg	Gly	Gly	His	Ser	Ser	Val	
		330					335					340	
TCC	ACT	GAG	TCT	GAG	TCT	TCA	AGT	TTT	CAC	TCC	AGC	TAAC	1150
Ser	Thr	Glu	Ser	Glu	Ser	Ser	Ser	Phe	His	Ser	Ser		
				345					350		352		
ACAGATGTAA AAGACTTTTT TTTATACGAT AAATAACTTT TTTTAAAGTT													1200
ACACATTTTT CAGATATAAA AGACTGACCA ATATTGTACA GTTTTTATTG													1250
CTTGTTGGAT TTTTGTCTTG TGTTCTTTA GTTTTGTGA AGTTTAATTG													1300
ACTTATTTAT ATAAATTTTT TTTGTTTCAT ATTGATGTGT GTCTAGGCAG													1350

**FIG. 4B**



GACCTGTGGC CAAGTTCTTA GTTGCTGTAT GTCTCGTGGT AGGACTGTAG 1400  
AAAAGGGAAC TGAACATTCC AGAGCGTGTA GTGAATCACG TAAAGCTAGA 1450  
AATGATCCCC AGCTGTTTAT GCATAGATAA TCTCTCCATT CCCGTGGAAC 1500  
GTTTTTCCTG TTCTTAAGAC GTGATTTTGC TGTAGAAGAT GGCAC TTATA 1550  
ACCAAAGCCC AAAGTGGTAT AGAAATGCTG GTTTTTTCAGT TTTCAGGAGT 1600  
GGGTTGATTT CAGCACCTAC AGTGTACAGT CTTGTATTAA GTTGTTAATA 1650  
AAAGTACATG TTAAACTTAA AAAAAAAAAA AAAAAAAAAA AAAAAAAAAA 1700  
AAAAAAAAAA AAAGCGGCCG CCAGCACACT GGAATTC 1737

**FIG. 4C**

GAATTCAGT GTGCTGGCGG CCGCCCAGTG TGCTGGCGGC GGCAGTTGAG 50  
GGAAAGGACA GAGGTTATGA GTGCCTGCAA GAGTGGCAGC CTGGAGTAGA 100  
GAAAACACTA AAGGTGGAGT CAAAAGACCT GAGTTCAAGT CCCAGCTCTG 150  
CCACTGGTTA GCTGTGGGAT CTCGGAAAAG ACCCAGTGAA AAAAAAAAAA 200  
AAAGTGATGA GTTGTGAGGC AGGTCGCGGC CCTACTGCCT CAGGAGACGA 250  
TGCGCAGCTC ATTTGCTTAA ATTTGCAGCT GACGGCTGCC ACCTCTCTAG 300  
AGGCACCTGG CGGGGAGCCT CTCAACATAA GACAGTGACC AGTCTGGTGA 350

CTCACAGCCG GCACAGCC ATG AAC TAC CCG CTA ACG CTG GAA 392  
Met Asn Tyr Pro Leu Thr Leu Glu  
1 5

ATG GAC CTC GAG AAC CTG GAG GAC CTG TTC TGG GAA CTG 431  
Met Asp Leu Glu Asn Leu Glu Asp Leu Phe Trp Glu Leu  
10 15 20

GAC AGA TTG GAC AAC TAT AAC GAC ACC TCC CTG GTG GAA 470  
Asp Arg Leu Asp Asn Tyr Asn Asp Thr Ser Leu Val Glu  
25 30

AAT CAT CTC TGC CCT GCC ACA GAG GGG CCC CTC ATG GCC 509  
Asn His Leu Cys Pro Ala Thr Glu Gly Pro Leu Met Ala  
35 40 45

TCC TTC AAG GCC GTG TTC GTG CCC GTG GCC TAC AGC CTC 548  
Ser Phe Lys Ala Val Phe Val Pro Val Ala Tyr Ser Leu  
50 55 60

ATC TTC CTC CTG GGC GTG ATC GGC AAC GTC CTG GTG CTG 587  
Ile Phe Leu Leu Gly Val Ile Gly Asn Val Leu Val Leu  
65 70

GTG ATC CTC GAG CGG CAC CGG CAG ACA CGC AGT TCC ACG 626  
Val Ile Leu Glu Arg His Arg Gln Thr Arg Ser Ser Thr  
75 80 85

GAG ACC TTC CTG TTC CAC CTG GCC GTG GCC GAC CTC CTG 665  
Glu Thr Phe Leu Phe His Leu Ala Val Ala Asp Leu Leu  
90 95

CTG GTC TTC ATC TTG CCC TTT GCC GTG GCC GAG GGC TCT 704  
Leu Val Phe Ile Leu Pro Phe Ala Val Ala Glu Gly Ser  
100 105 110

GTG GGC TGG GTC CTG GGG ACC TTC CTC TGC AAA ACT GTG 743  
Val Gly Trp Val Leu Gly Thr Phe Leu Cys Lys Thr Val  
115 120 125

ATT GCC CTG CAC AAA GTC AAC TTC TAC TGC AGC AGC CTG 782  
Ile Ala Leu His Lys Val Asn Phe Tyr Cys Ser Ser Leu  
130 135

FIG. 5A

CTC	CTG	GCC	TGC	ATC	GCC	GTG	GAC	CGC	TAC	CTG	GCC	ATT	821
Leu	Leu	Ala	Cys	Ile	Ala	Val	Asp	Arg	Tyr	Leu	Ala	Ile	
140						145					150		
GTC	CAC	GCC	GTC	CAT	GCC	TAC	CGC	CAC	CGC	CGC	CTC	CTC	860
Val	His	Ala	Val	His	Ala	Tyr	Arg	His	Arg	Arg	Leu	Leu	
			155					160					
TCC	ATC	CAC	ATC	ACC	TGT	GGG	ACC	ATC	TGG	CTG	GTG	GGC	899
Ser	Ile	His	Ile	Thr	Cys	Gly	Thr	Ile	Trp	Leu	Val	Gly	
165					170					175			
TTC	CTC	CTT	GCC	TTG	CCA	GAG	ATT	CTC	TTC	GCC	AAA	GTC	938
Phe	Leu		Ala	Leu	Pro	Glu	Ile	Leu	Phe	Ala	Lys	Val	
			180				185					190	
AGC	CAA	GGC	CAT	CAC	AAC	AAC	TCC	CTG	CCA	CGT	TGC	ACC	977
Ser	Gln	Gly	His	His	Asn	Asn	Ser	Leu	Pro	Arg	Cys	Thr	
				195					200				
TTC	TCC	CAA	GAG	AAC	CAA	GCA	GAA	ACG	CAT	GCC	TGG	TTC	1016
Phe	Ser	Gln	Glu	Asn	Gln	Ala	Glu	Thr	His	Ala	Trp	Phe	
	205					210					215		
ACC	TCC	CGA	TTC	CTC	TAC	CAT	GTG	GCG	GGA	TTC	CTG	CTG	1055
Thr	Ser	Arg	Phe	Leu	Tyr	His	Val	Ala	Gly	Phe	Leu	Leu	
			220					225					
CCC	ATG	CTG	GTG	ATG	GGC	TGG	TGC	TAC	GTG	GGG	GTA	GTG	1094
Pro	Met	Leu	Val	Met	Gly	Trp	Cys	Tyr	Val	Gly	Val	Val	
230					235					240			
CAC	AGG	TTG	CGC	CAG	GCC	CAG	CGG	CGC	CCT	CAG	CGG	CAG	1133
His	Arg	Leu	Arg	Gln	Ala	Gln	Arg	Arg	Pro	Gln	Arg	Gln	
		245					250					255	
AAG	GCA	GTC	AGG	GTG	GCC	ATC	CTG	GTG	ACA	AGC	ATC	TTC	1172
Lys	Ala	Val	Arg	Val	Ala	Ile	Leu	Val	Thr	Ser	Ile	Phe	
				260					265				
TTC	CTC	TGC	TGG	TCA	CCC	TAC	CAC	ATC	GTC	ATC	TTC	CTG	1211
Phe	Leu	Cys	Trp	Ser	Pro	Tyr	His	Ile	Val	Ile	Phe	Leu	
	270					275					280		
GAC	ACC	CTG	GCG	AGG	CTG	AAG	GCC	GTG	GAC	AAT	ACC	TGC	1250
Asp	Thr	Leu	Ala	Arg	Leu	Lys	Ala	Val	Asp	Asn	Thr	Cys	
			285					290					
AAG	CTG	AAT	GGC	TCT	CTC	CCC	GTG	GCC	ATC	ACC	ATG	TGT	1289
Lys	Leu	Asn	Gly	Ser	Leu	Pro	Val	Ala	Ile	Thr	Met	Cys	
295					300					305			
GAG	TTC	CTG	GGC	CTG	GCC	CAC	TGC	TGC	CTC	AAC	CCC	ATG	1328
Glu	Phe	Leu	Gly	Leu	Ala	His	Cys	Cys	Leu	Asn	Pro	Met	
		310					315					320	
CTC	TAC	ACT	TTC	GCC	GGC	GTG	AAG	TTC	CGC	AGT	GAC	CTG	1367
Leu	Tyr	Thr	Ph	Ala	Gly	Val	Lys	Phe	Arg	Ser	Asp	L u	
				325					330				
TCG	CGG	CTC	CTG	ACG	AAG	CTG	GGC	TGT	ACC	GGC	CCT	GCC	1406
Ser	Arg	Leu	Leu	Thr	Lys	Leu	Gly	Cys	Thr	Gly	Pro	Ala	
	335					340					345		

**FIG. 5B**

TCC CTG TGC CAG CTC TTC CCT AGC TGG CGC AGG AGC AGT 1445  
 Ser Leu Cys Gln Leu Phe Pro Ser Trp Arg Arg Ser Ser  
 350 355

CTC TCT GAG TCA GAG AAT GCC ACC TCT CTC ACC ACG TTC TA 1486  
 Leu Ser Glu Ser Glu Asn Ala Thr Ser Leu Thr Thr Phe  
 360 365 370 372

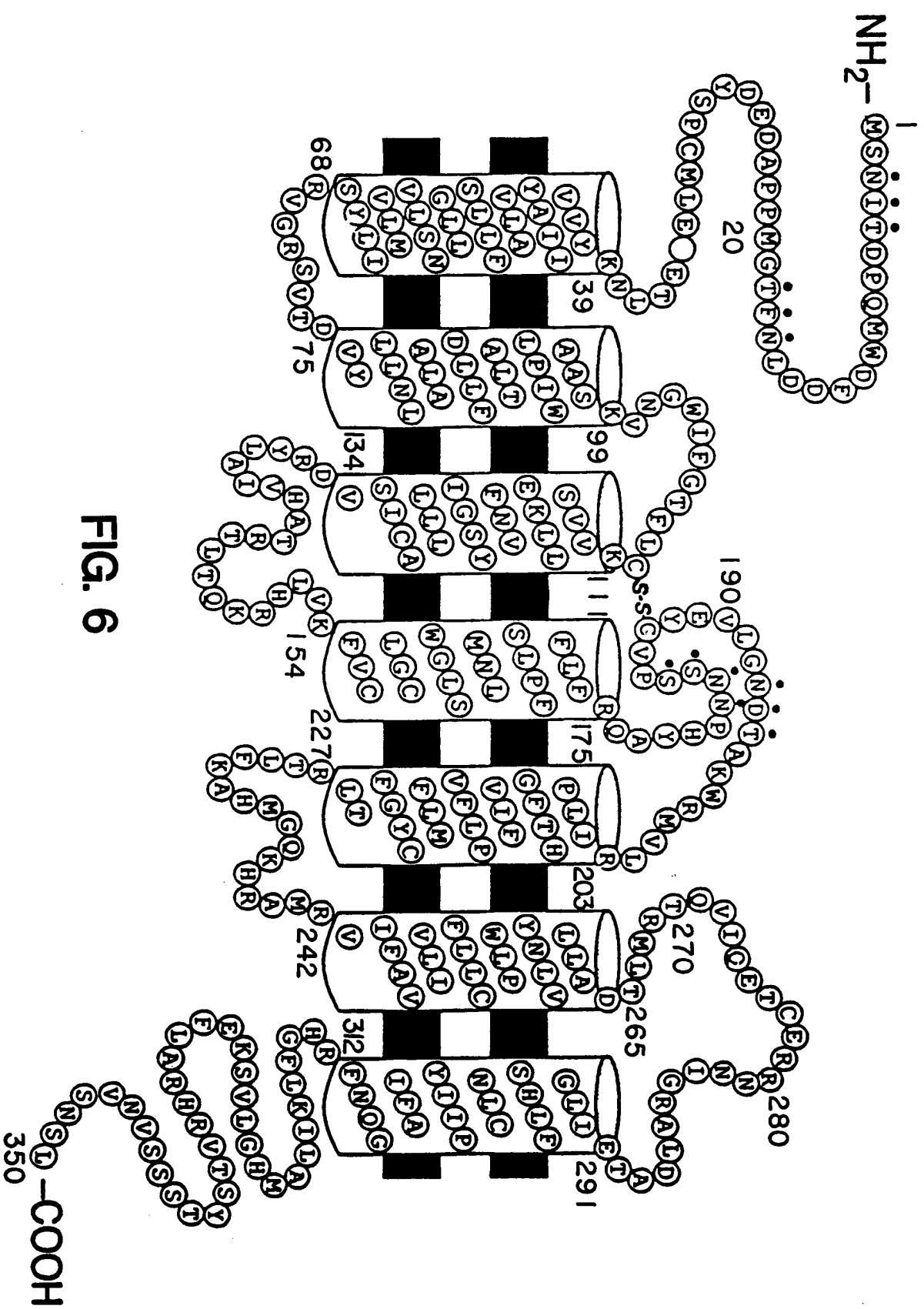
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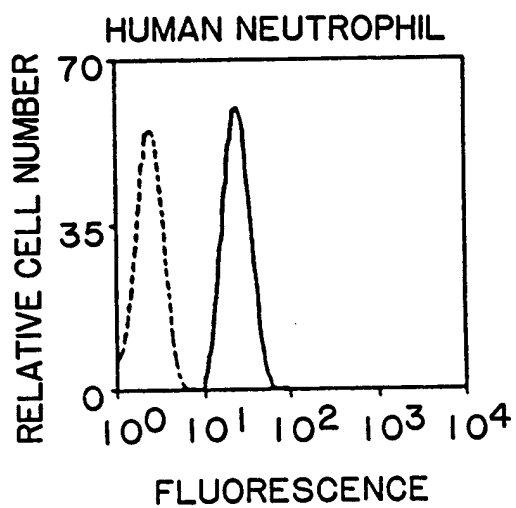
AGTGATGCTG GATGCTCCTT CCAACAGGAG CTGGGATCCT AAGGGCTCAC 1580

CGTGGCTAAG AGTGTCTAG GAGTATCCTC ATTTGGGGTA GCTAGAGGAA 1630

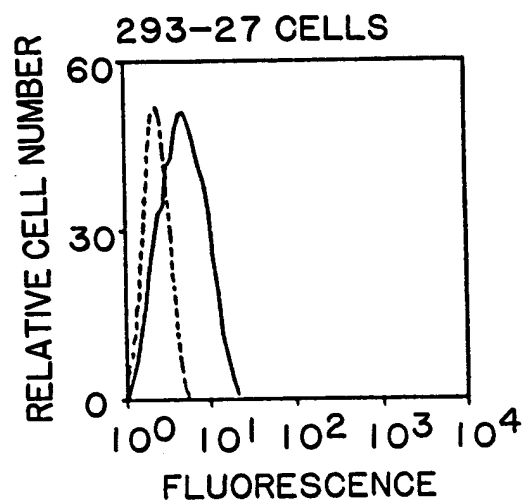
CCAACCCCCA TTTCTAGAAC ATCCCGCGGC CGCCAGCACA CTGGAATTC 1679

**FIG. 5C**

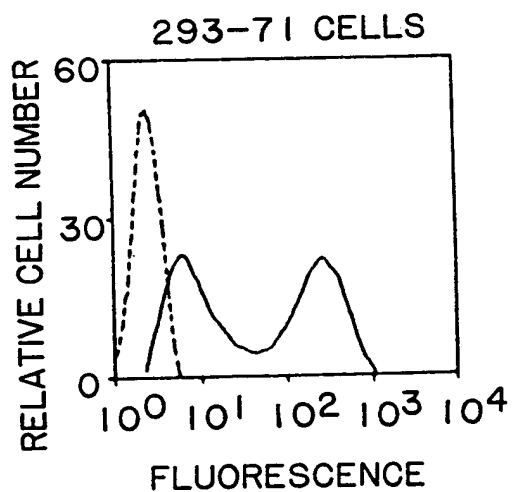




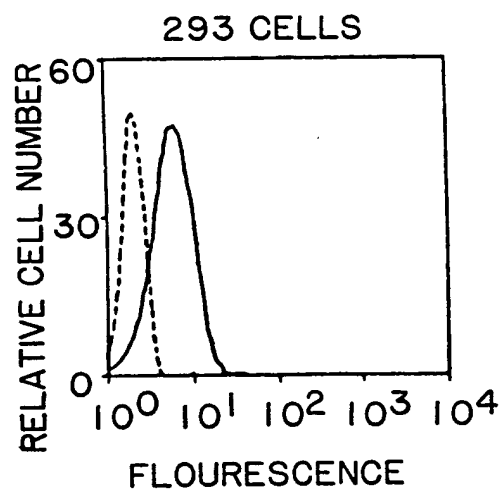
**FIG. 7A**



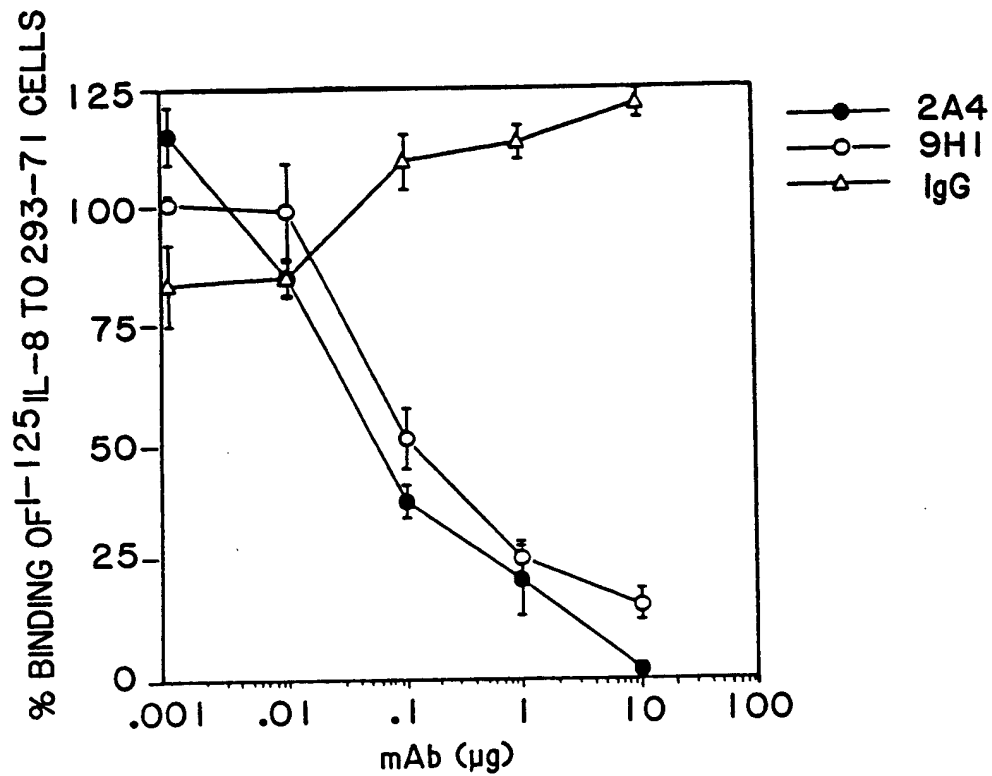
**FIG. 7B**



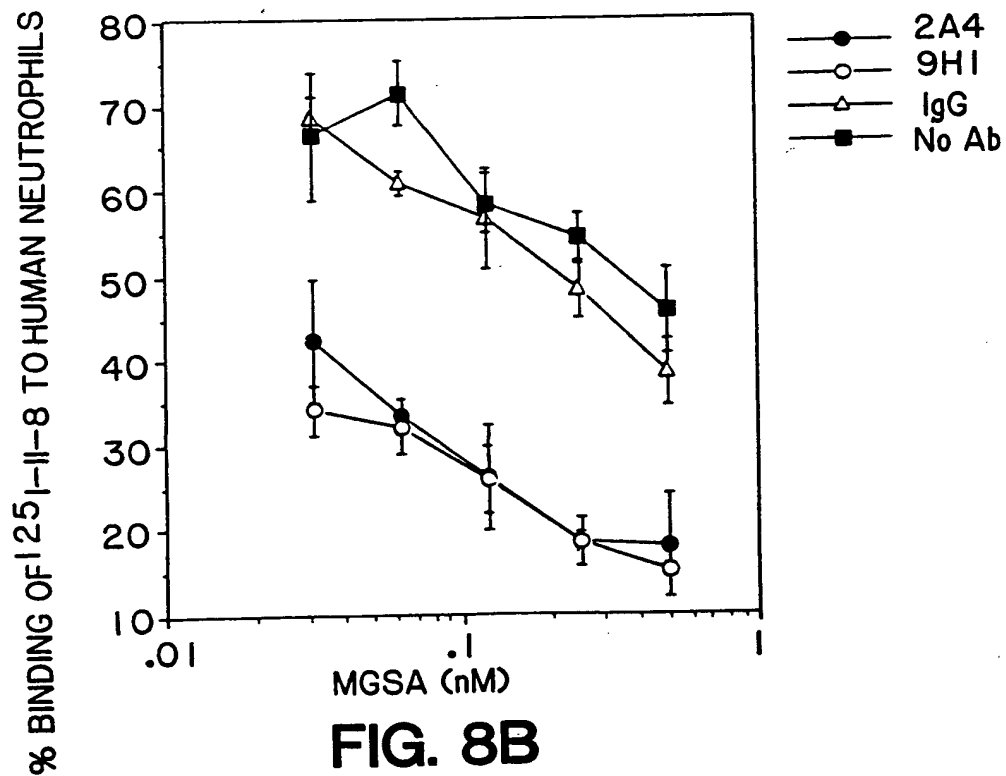
**FIG. 7C**



**FIG. 7D**



**FIG. 8A**



**FIG. 8B**

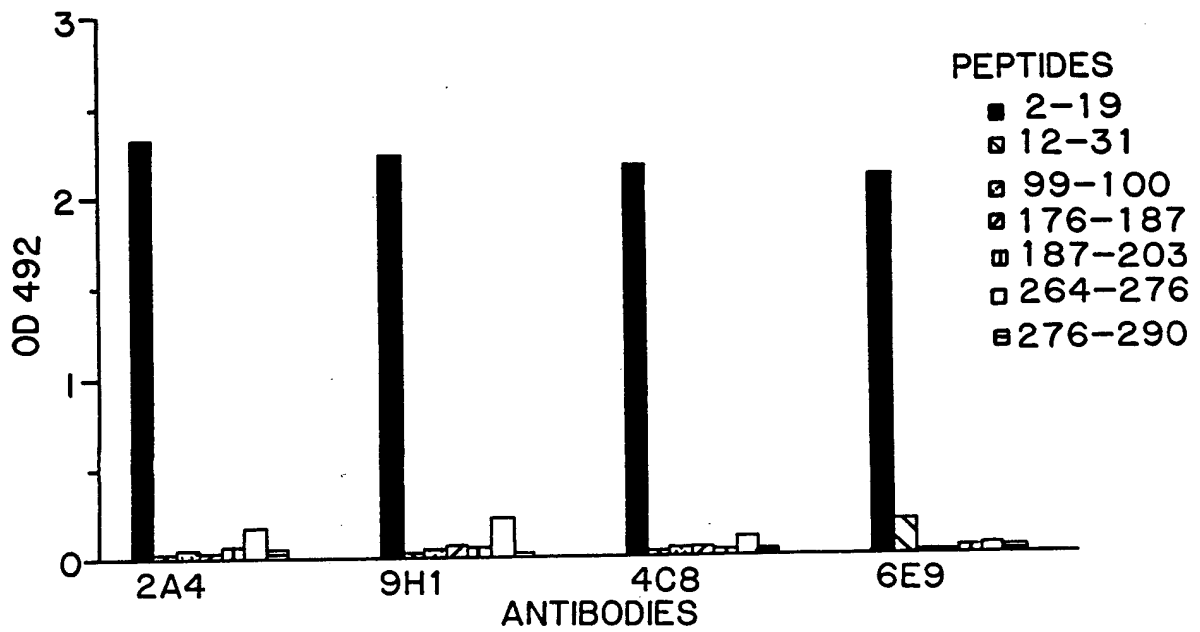


FIG. 9A

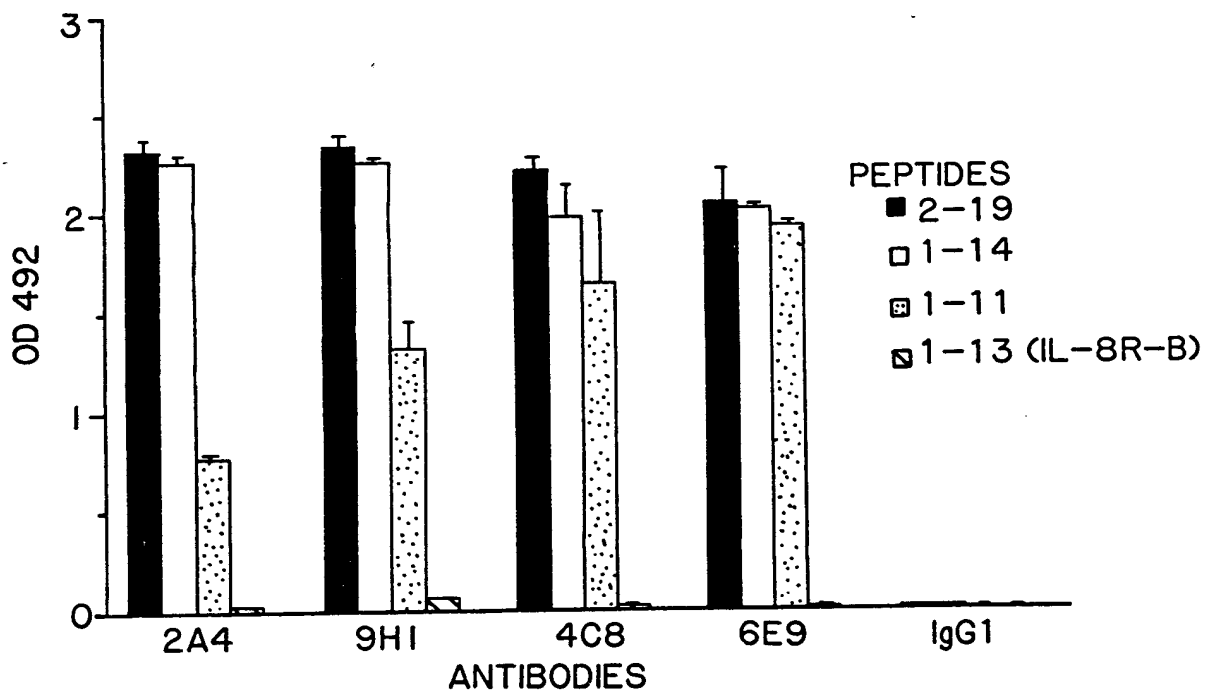


FIG. 9B



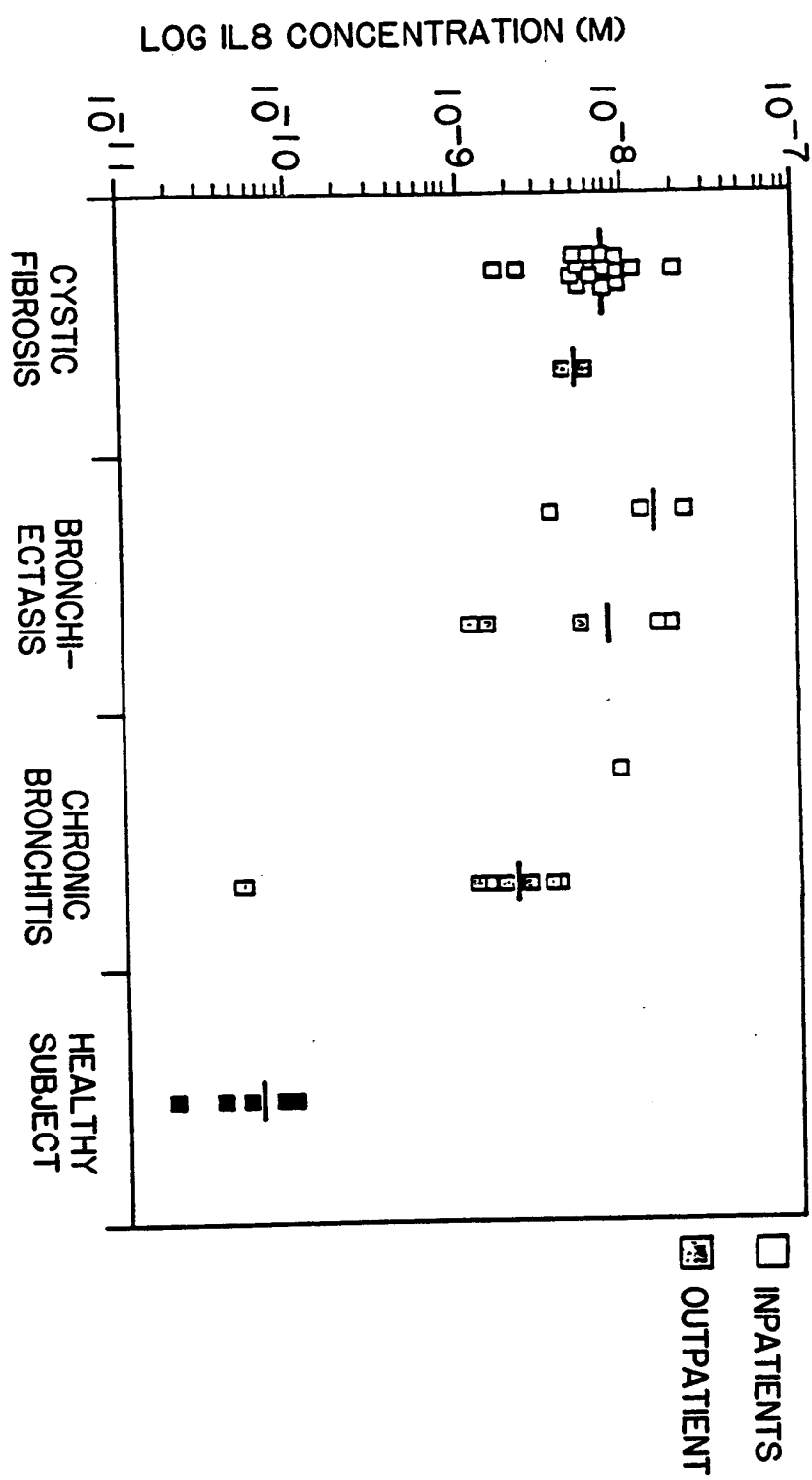


FIG. 10